

Regional HIV/AIDS Epidemiologic Profile of Cambridge, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Cambridge, Massachusetts

	N	%
People Living with HIV/AIDS	378	56%
People Reported with HIV or AIDS who are Deceased	303	44%
Total Number of People Reported with HIV Infection or AIDS	681	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Cambridge, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Cambridge, MA	21 per 100,000	21
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Cambridge, MA	373 per 100,000	378
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Cambridge, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	277	11	33
2000	294	11	28
2001	304	7	17
2002	314	7	17
2003	324	9	19
2004	341	5	22
2005	357	5	21
2006	371	6	20

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Cambridge, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	48	76%	282	75%
Female	15	24%	96	25%
Place of Birth:	N	%	N	%
US	42	67%	240	63%
Puerto Rico/US Dependency ²	0	0%	9	2%
Non-US	21	33%	129	34%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	27	43%	169	45%
Black (non-Hispanic)	22	35%	157	42%
Hispanic	12	19%	44	12%
Other/Undetermined ³	2	3%	8	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	31	49%	160	42%
Injection Drug Use (IDU)	4	6%	48	13%
MSM/IDU	3	5%	17	4%
Heterosexual Sex	5	8%	37	10%
Other	0	0%	15	4%
Total Undetermined	20	32%	101	27%
• Presumed Heterosexual Sex ⁴	11	17%	64	17%
• Undetermined ⁵	9	14%	37	10%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	0	0%	3	1%
13 to 19	0	0%	4	1%
20 to 24	8	13%	7	2%
25 to 29	5	8%	12	3%
30 to 34	8	13%	20	5%
35 to 39	14	22%	47	12%
40 to 44	10	16%	73	19%
45 to 49	8	13%	79	21%
50 to 54	6	10%	62	16%
55 to 59	1	2%	33	9%
60+	3	5%	38	10%
TOTAL	63	100%	378	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Cambridge, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	149	53%	20	21%
Black Non-Hispanic	87	31%	70	73%
Hispanic	38	13%	6	6%
Other/Undetermined ¹	8	3%	0	0%
Total	282	100%	96	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Cambridge, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	160	57%	N/A	N/A
Injection drug use (IDU)	25	9%	23	24%
MSM/IDU	17	6%	N/A	N/A
Heterosexual sex	14	5%	23	24%
Other	9	3%	6	6%
Total Undetermined	57	20%	44	46%
• Presumed heterosexual sex ¹	32	11%	32	33%
• Undetermined ²	25	9%	12	13%
Total	282	100%	96	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Cambridge, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	402	81%	95	19%	497
1999	28	85%	5	15%	33
2000	18	64%	10	36%	28
2001	10	59%	7	41%	17
2002	11	65%	6	35%	17
2003	16	84%	3	16%	19
2004	18	82%	4	18%	22
2005	17	81%	4	19%	21
2006 ²	13	65%	7	35%	20

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Cambridge, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	269	54%	173	35%	49	10%	6	1%	497
1999	15	45%	14	42%	-- ³	-- ³	-- ³	-- ³	33
2000	8	29%	18	64%	-- ³	-- ³	-- ³	-- ³	28
2001	5	29%	9	53%	-- ³	-- ³	-- ³	-- ³	17
2002	7	41%	7	41%	-- ³	-- ³	-- ³	-- ³	17
2003	5	26%	12	63%	-- ³	-- ³	-- ³	-- ³	19
2004	10	45%	8	36%	-- ³	-- ³	-- ³	-- ³	22
2005	10	48%	8	38%	-- ³	-- ³	-- ³	-- ³	21
2006 ⁴	7	35%	6	30%	7	35%	0	0%	20

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

⁴ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Cambridge, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	344	69%	21	4%	132	27%	497
1999	18	55%	2	6%	13	39%	33
2000	15	54%	1	4%	12	43%	28
2001	10	59%	0	0%	7	41%	17
2002	8	47%	0	0%	9	53%	17
2003	8	42%	0	0%	11	58%	19
2004	14	64%	0	0%	8	36%	22
2005	14	67%	0	0%	7	33%	21
2006 ³	14	70%	0	0%	6	30%	20

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Cambridge, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	228	46%	103	21%	19	4%	38	8%	21	4%	60	12%	28	6%	497
1999	14	42%	4	12%	2	6%	2	6%	1	3%	7	21%	3	9%	33
2000	9	32%	3	11%	1	4%	4	14%	0	0%	8	29%	3	11%	28
2001	5	29%	2	12%	1	6%	0	0%	1	6%	5	29%	3	18%	17
2002	9	53%	2	12%	0	0%	1	6%	0	0%	3	18%	2	12%	17
2003	4	21%	0	0%	0	0%	4	21%	1	5%	4	21%	6	32%	19
2004	8	36%	0	0%	1	5%	3	14%	0	0%	5	23%	5	23%	22
2005	13	62%	0	0%	2	10%	1	5%	0	0%	3	14%	2	10%	21
2006 ⁴	10	50%	4	20%	0	0%	1	5%	0	0%	3	15%	2	10%	20

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Cambridge, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	6	33	18%
2000	13	28	46%
2001	4	17	24%
2002	4	17	24%
2003	7	19	37%
2004	7	22	32%
2005	4	21	19%
2006	5	20	25%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Cambridge, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	10	48	21%
Female	6	15	40%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	5	27	19%
Black (non-Hispanic)	9	22	41%
Hispanic	2	12	17%
Other/Undetermined ²	0	2	0%
Place of Birth:	N	N	%
US	8	42	19%
Puerto Rico/US Dependencies ³	8	21	38%
Non-US	0	0	0%
Total	16	63	25%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08